CC - Records Unit, Spfld.- DLPC, FOS, Aurora

RECONNAISSANCE VISIT NOTES

EPA Region 5 Records Ctr. 375323

TRIEN STEEL & PROCESSING, INC. - Pickle Liquor Digharge (Chicago Heights)

DATE

April 11, 1977

INTERVIEWED

Steve Pecsenye, Vice-President

ACCOMPANIED BY

Ken Bechely, Division of Land Pollution Control

An inspection of this facility was conducted in order to determine the source of liquid wastes being discharged from a pipe located north of the facility into a low area at the southwest corner of the Triem landfill. According to the Vice-president, Nr. Pecsenye, this facility can be characterized as a steel processor. This means they do not own the material at the site, rather they process steel in accordance with orders from their customers. This involves shearing of bars and flats, and pickling. There are two picklers: a batch pickler and a continuous coil pickler.

The batch pickler consists of three pickling tanks containing a 5% solution of sulfuric acid. These tanks are used in parallel. Associated with the pickling tanks is a water rince tank and a neutralizer tank.

The final tank is a oil spray tank. Here, parts are sprayed with a parifin based oil to prevent rusting. According to Pecsenye, this oil is not discharged from the plant, rather it is used over and over again.

He estimates that each of the other tanks are emptied once every four weeks. They attempt to discharge the acid tank along with the neutralizer tank contents in order to discharge a more neutral type of a liquid.

On the other side of the plant building, they have a continuous coil pickler. Here, coils are unwound and passed through a very long tank containing the acid, neutralizer, rinse and oil spray much like that of the batch pickler. These tanks are also periodically emptied into the common discharge drain. The oil that is sprayed on the coils is used over and over again, and finally replenished.

All storm water. that falls on the plant building and the surrounding area is also discharged into this common drainage system. He admitted that the waste are discharged into the pit. However, he maintains that the underlying material is a clay material, therefore liquids would not enter the ground water. We indicated to him that this type of operation may be considered to be in violation, and may require a permit to operate.

A sample of the primary discharge to the ditch, which comes from the east was collected at 11:45 A.M. It was only and reddish in color. While taking the first sample, it was noticed that another discharge is entering the ditch from the south. This flow was much less than that of the east discharge, however, it was only in appearance.

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Several photos were taken in and around the area. It should be noted in Photo #1 that the outlet tile has been buried, forcing the water to flow through the ground and rise to the surface. Photo #2 is a view of the north outlet and Photo #3 shows the appearance of the receiving ditch. Photos #4, 5 and 6 shows the location where the effluent water is pooling. The water here was a rusty reddish color. The banks of the pool show that at some prior date the water level was at a higher point due to the discorded stains along the sides. The surface of the water was covered with a dark reddish brown oil.

The samples were returned to the Chicago Laboratory for analyses. The results of the tests performed are attached.

Hichael J. Schmitt, Environmental Protection Engineer, Maywood

HJS:dk CC - Records Unit 5/12/77 - 5/12/77

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Lair Section Stranger Land

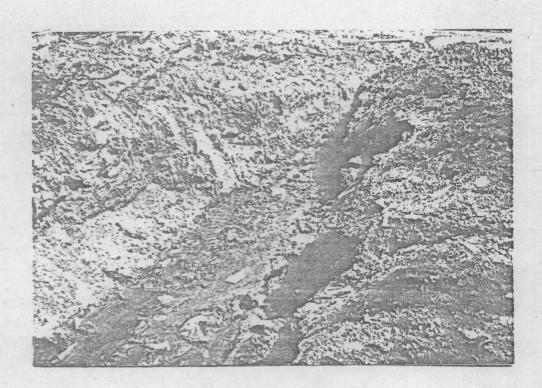


PHOTO #1 - View of outlet discharging to ditch from the east.

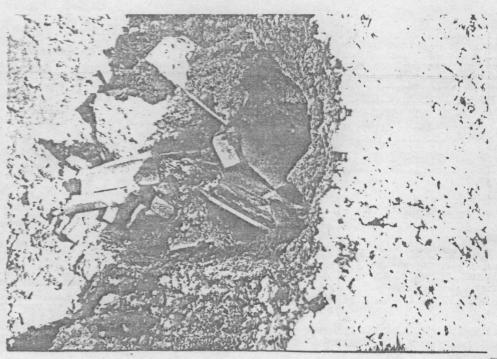


PHOTO #2 - Discharge to the ditch from south. Note oil.

RECEIVED

MAY 2 3 1977

ILL. E.P.A. - D.L.P.C. STATE OF ILLINOIS